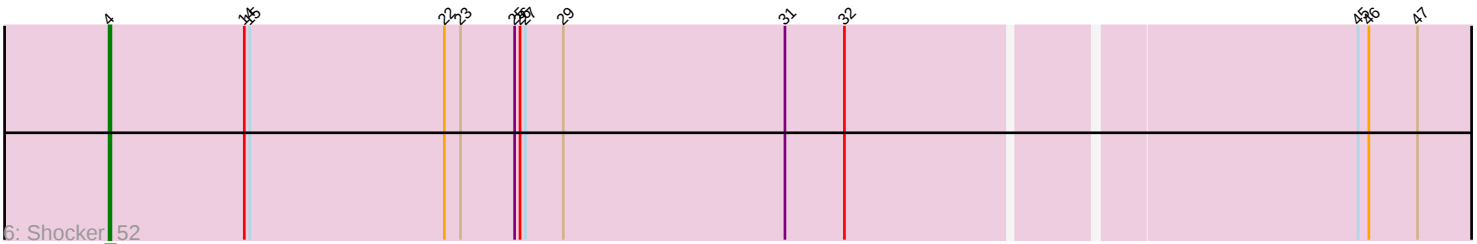
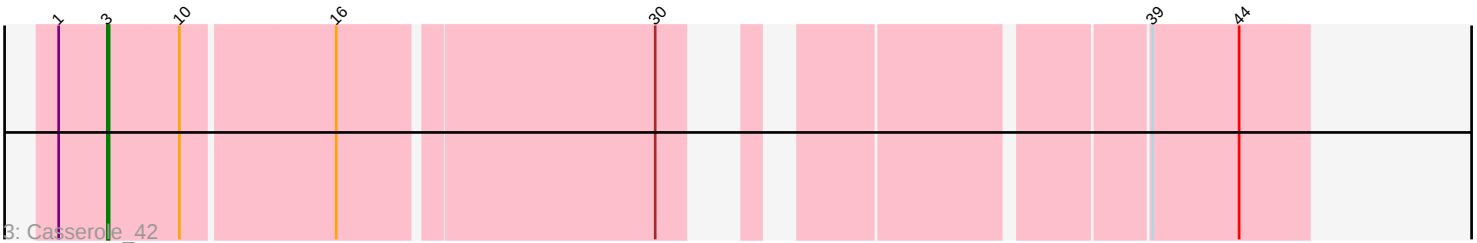


Pham 314340



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 314340 Report

This analysis was run 09/05/26 on database version 662.

Pham number 314340 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : LadyJasley_50
- Track 2 : GalaxyEater_44
- Track 3 : Casserole_42
- Track 4 : PigHeaded_51
- Track 5 : Phroglets_40
- Track 6 : Shocker_52

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 4, it was called in 1 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Shocker_52,

Genes that have the "Most Annotated" start but do not call it:

- PigHeaded_51,

Genes that do not have the "Most Annotated" start:

- Casserole_42, GalaxyEater_44, LadyJasley_50, Phroglets_40,

Summary by start number:

Start 3:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Casserole_42 (AV),

Start 4:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Shocker_52 (singleton),

Start 6:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LadyJasley_50 (AV),

Start 7:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phroglets_40 (AV),

Start 9:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PigHeaded_51 (AV),

Start 13:

- Found in 1 of 6 (16.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GalaxyEater_44 (AV),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, AV,

Info for manual annotations of cluster AV:

- Start number 3 was manually annotated 1 time for cluster AV.
- Start number 6 was manually annotated 1 time for cluster AV.
- Start number 7 was manually annotated 1 time for cluster AV.
- Start number 9 was manually annotated 1 time for cluster AV.

Gene Information:

Gene: Casserole_42 Start: 38556, Stop: 37975, Start Num: 3

Candidate Starts for Casserole_42:

(1, 38583), (Start: 3 @38556 has 1 MA's), (10, 38517), (16, 38436), (30, 38268), (39, 38061), (44, 38013),

Gene: GalaxyEater_44 Start: 39606, Stop: 39091, Start Num: 13

Candidate Starts for GalaxyEater_44:

(5, 39663), (8, 39642), (13, 39606), (26, 39459), (36, 39198), (40, 39165), (42, 39147), (44, 39126),

Gene: LadyJasley_50 Start: 40361, Stop: 39792, Start Num: 6

Candidate Starts for LadyJasley_50:

(2, 40379), (Start: 6 @40361 has 1 MA's), (11, 40325), (18, 40241), (20, 40223), (26, 40151), (44, 39824),

Gene: Phroglets_40 Start: 37517, Stop: 36933, Start Num: 7

Candidate Starts for Phroglets_40:

(Start: 7 @37517 has 1 MA's), (15, 37466), (17, 37421), (20, 37394), (21, 37382), (24, 37370), (33, 37196), (38, 37055), (41, 37022), (43, 37001),

Gene: PigHeaded_51 Start: 39331, Stop: 38792, Start Num: 9

Candidate Starts for PigHeaded_51:

(Start: 4 @39364 has 1 MA's), (5, 39358), (Start: 9 @39331 has 1 MA's), (12, 39310), (19, 39235), (26, 39157), (28, 39148), (34, 38965), (35, 38911), (37, 38890), (42, 38848), (44, 38827),

Gene: Shocker_52 Start: 39448, Stop: 38681, Start Num: 4

Candidate Starts for Shocker_52:

(Start: 4 @39448 has 1 MA's), (14, 39373), (15, 39370), (22, 39262), (23, 39253), (25, 39223), (26, 39220), (27, 39217), (29, 39196), (31, 39073), (32, 39040), (45, 38770), (46, 38764), (47, 38737),